



Material Safety Data Sheet

Section 1. Chemical Product and Company Identification

Common Name	Wilsonart^(R)(WA) H₂O Waterborne Contact Adhesive	Code	16419
Supplier	WILSONART INTERNATIONAL INC. P.O. BOX 6110 - 2400 Wilson Place, Temple, TX 76503 Telephone: 800-433-3222 (USA) or 254-207-7000	MSDS#	16419
Synonym	Also known as: Lokweld^(R) (LW) H2O Contact Adhesive	Revision Date	02/13/2004
Trade name	Wilsonart ^(R) (WA) H ₂ O Waterborne Contact Adhesive	Responsible Name	Wilsonart International Inc.
Material Uses	Spray grade adhesive for laminate.	In Case of Emergency	CHEMTREC: 800-424-9300 (USA) 703-527-3887 (International)
Manufacturer	WILSONART INTERNATIONAL, INC. PO BOX 6110, Temple, TX 76503-6110 Information Phone: 254-207-7000 or 800-433-3222		

Section 2. Composition and Information on Ingredients

Name	CAS #	% by Weight	Exposure Limits
Zinc Oxide	1314-13-2	proprietary	DUST -- TWA: 10 mg/m ³ (ACGIH); 5 mg/m ³ (NIOSH)
Polychloroprene	9010-98-4	proprietary	Not available.
Resin	NJTSRN 1659-5122-P	proprietary	Not available

Section 3. Hazards Identification

Physical State and Appearance	Liquid.
Emergency Overview	CAUTION! MAY CAUSE SKIN IRRITATION. MAY CAUSE EYE IRRITATION. Mist and vapor harmful. Skin irritant. Moderate eye irritant. Harmful if swallowed.
Routes of Entry	Skin contact. Eye contact. Inhalation. Ingestion.
Potential Acute Health Effects	<i>Eyes</i> Contact with eyes may cause severe irritation and possible burns. <i>Skin</i> Irritating to skin. <i>Inhalation</i> Inhalation of the spray mist may produce severe irritation of respiratory tract <i>Ingestion</i> May irritate digestive tract.
Potential Chronic Health Effects	Repeated or prolonged inhalation of vapors may lead to chronic respiratory irritation. Repeated exposure may cause sensitization. Repeated exposure may lead to respiratory sensitization (asthma) in susceptible individuals.
Medical Conditions Aggravated by Overexposure:	None known.
Overexposure /Signs/Symptoms	Inflammation of the eye is characterized by redness, watering, and itching. Skin inflammation is characterized by itching, scaling, reddening, or, occasionally, blistering.
See Toxicological Information (section 11)	

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Section 4. First Aid Measures

Eye Contact	Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Seek medical attention.
Skin Contact	Wash contaminated skin with soap and water. If the product got onto the clothed portion of the body, remove the contaminated clothes as quickly as possible. Place the victim under a deluge shower. If irritation occurs, seek medical attention. Wash contaminated clothing before reusing.
Inhalation	Allow the victim to rest in a well ventilated area. Oxygen may be administered if breathing is difficult. If irritation persists, seek medical attention.
Ingestion	Do not induce vomiting. Have conscious person drink several glasses of water or milk. NEVER give an unconscious person anything to ingest. Seek medical attention.
Notes to Physician	No additional information.

Section 5. Fire Fighting Measures

Flammability of the Product	Non-flammable.
Auto-ignition Temperature	Not applicable.
Flash Points	Not applicable.
Flammable Limits	Not applicable.
Products of Combustion	carbon oxides (CO, CO ₂)
Fire Hazards in Presence of Various Substances	Not applicable.
Explosion Hazards in Presence of Various Substances	Not considered to be a product presenting risks of explosion.
Fire Fighting Media and Instructions	Non-flammable. Use extinguishing media suitable for surrounding materials.
Protective Clothing (Fire)	Fire fighters should wear positive pressure self-contained breathing apparatus (SCBA) and full turnout gear.
Special Remarks on Fire Hazards	No additional remark.
Special Remarks on Explosion Hazards	No additional remark.

Section 6. Accidental Release Measures

Small Spill and Leak	Absorb with an inert material and place in an appropriate waste disposal container.
Large Spill and Leak	Absorb with an inert material and put the spilled material in an appropriate waste disposal container. Prevent entry into sewers, basements or confined areas; dike if needed.

Section 7. Handling and Storage

Handling	After handling, always wash hands thoroughly with soap and water.
Storage	Keep container tightly closed in a cool, well-ventilated place. Do not freeze. Keep out of the reach of children.

Section 8. Exposure Controls/Personal Protection

Engineering Controls Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value.

Personal Protection

Eyes Splash goggles.

Body Cover as much of the exposed skin area as possible with appropriate clothing.

Respiratory In case of insufficient ventilation, wear an approved (NIOSH) respirator with organic vapor cartridges with dust/mist pre-filter.

Hands Gloves (neoprene or rubber).

Feet No special precautions are necessary if used as intended.

Protective Clothing (Pictograms)



Personal Protection in Case of a Large Spill In case of insufficient ventilation, wear an approved (NIOSH) respirator with organic vapor cartridges and dust/mist pre-filter. Splash goggles. Gloves (neoprene or rubber). Boots. Full suit.

Product Name

Zinc Oxide
Polychloroprene
Resin

Exposure Limits

DUST -- TWA: 10 mg/m³ (ACGIH); 5 mg/m³ (NIOSH)
Not available.
Not available

Consult local authorities for acceptable exposure limits.

Section 9. Physical and Chemical Properties

Physical State and Appearance	Liquid.	Odor	Ammonia. (Slight.)
Molecular Weight	Not applicable.	Taste	Not available.
Molecular Formula	Not applicable.	Color	White. (Light.)
pH (1% Soln/Water)	10 - 11		
Boiling/Condensation Point	100°C (212°F)		
Melting/Freezing Point	Not available.		
Critical Temperature	Not available.		
Specific Gravity	1.094 (Water = 1)		
Vapor Pressure	The highest known value is 17.535 mm of Hg (@ 20°C) (Water).		
Vapor Density	The highest known value is 0.62 (Air = 1) (Water).		
Volatility	48% (water)		
Odor Threshold	Not available.		
Evaporation Rate	Not available.		

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VOC	Volatile Organic Compound (VOC) Content: <20 grams/Liter <0.16 pounds/gallon Volatile Hazardous Air Pollutant (VHAP) Content: <0.2 pound/pound of solids
Viscosity	600 cps (Brookfield Viscometer)
LogK_{ow}	Not available.
Ionicity (in Water)	Not available.
Dispersion Properties	Easily dispersed in any proportion in cold water and hot water.
Solubility	Soluble in water.
Physical Chemical Comments	No additional information.

Section 10. Stability and Reactivity

Stability and Reactivity	The product is stable.
Conditions of Instability	Not available.
Incompatibility with Various Substances	Not considered to be reactive.
Hazardous Decomposition Products	Products of Combustion include: carbon oxides (CO, CO ₂)
Hazardous Polymerization	Will not occur.

Section 11. Toxicological Information

Toxicity to Animals	This product has not been tested for animal effects.
Chronic Effects on Humans	No additional information.
Other Toxic Effects on Humans	No additional information.
Special Remarks on Toxicity to Animals	No additional remarks.
Special Remarks on Chronic Effects on Humans	No additional information.
Special Remarks on Other Toxic Effects on Humans	May cause allergic reactions to certain individuals.

Section 12. Ecological Information

Ecotoxicity	Not available.
BOD₅ and COD	Not available.
Biodegradable/OECD	Not available.
Mobility	Not available.

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**Toxicity of the Products of
Biodegradation** Not available.

**Special Remarks on the
Products of Biodegradation** No additional remark.

Section 13. Disposal Considerations

Waste Information Spilled, contaminated, or waste material should be put into a suitable container and handled according to local, state/provincial, and federal regulations.

Waste Stream Not available.

Consult your local or regional authorities.

Section 14. Transport Information

DOT Classification Not a DOT controlled material (United States).



Marine Pollutant Not a marine pollutant.

**Special Provisions for
Transport** Not applicable.

ADR/RID Classification Not controlled under ADR (Europe).

IMO/IMDG Classification Not controlled under IMDG.

ICAO/IATA Classification Not controlled under IATA.

Section 15. Regulatory Information

HCS Classification Mildly irritating to the eyes and skin.

U.S. Federal Regulations All ingredients are listed on the TSCA Inventory.
SARA 302/304/311/312 Extremely Hazardous Substances: No products were found.
SARA 302/304 Emergency Planning and Notification: No products were found.
SARA 302/304/311/312 Hazardous Chemicals: No products were found.
SARA 311/312 MSDS distribution - chemical inventory - hazard identification: No products were found.
SARA 313 Toxic Chemical Notification and Release Reporting: No products were found.
Clean Water Act (CWA) 307: No products were found.
Clean Water Act (CWA) 311: No products were found.
Clean Air Act (CAA) 112 accidental release prevention: No products were found.
Clean Air Act (CAA) 112 Regulated Flammable Substances: No products were found.
Clean Air Act (CAA) 112 Regulated Toxic Substances: No products were found.

International Regulations

EINECS Not available.

DSCL (EEC) R36- Irritating to eyes.

International Lists No products were found.

State Regulations New Jersey: Resin (NJTSRN 1659-5122-P)
California Prop. 65: No products were found.

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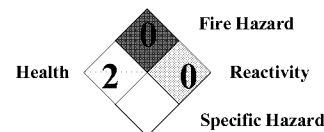
Section 16. Other Information

Label Requirements MAY CAUSE SKIN IRRITATION.
MAY CAUSE EYE IRRITATION.

**Hazardous Material
Information System
(U.S.A.)**

Health	*	2
Fire Hazard		0
Reactivity		0
Personal Protection		C

**National Fire
Protection Association
(U.S.A.)**



References -SAX, N.I. Dangerous Properties of Industrial Materials. Toronto, Van Nostrand Reinold, 6e ed. 1984.

GLOSSARY:

ACGIH - American Conference of Governmental Industrial Hygienists
ASTM - American Society for Testing and Materials
ADR - Agreement on Dangerous Goods by Road (Europe)
BOD5 - Biological Oxygen Demand in 5 days
CAS - Chemical Abstract Services
CEPA - Canadian Environmental Protection Act
CERCLA - Comprehensive Environmental Response, Compensation and Liability Act
CFR - Code of Federal Regulations
DOT - Department of Transportation
DSCL - Dangerous Substances Classification and Labeling (Europe)
DSL - Domestic Substance List (Canada)
EEC/EU - European Economic Community/European Union
EINECS - European Inventory of Existing Commercial Chemical Substances
HCS - Hazard Communication System
HMIS - Hazardous Material Information System
IARC - International Agency for Research on Cancer
LD50/LC50 - Lethal Dose/Concentration kill 50%
LDLo/LCLo - Lowest Published Lethal Dose/Concentration
NFPA - National Fire Prevention Association
NIOSH - National Institute for Occupational Safety & Health
NTP - National Toxicology Program
OSHA - Occupational Safety & Health Administration
PEL - Permissible Exposure Limit
RCRA - Resource Conservation and Recovery Act
SARA - Superfund Amendments and Reorganization Act
STEL - Short Term Exposure Limit (15 minutes)
TDG - Transportation of Dangerous Goods (Canada)
TLV-TWA - Threshold Limit Value-Time Weighted Average
TSCA - Toxic Substances Control Act
WHMIS - Workplace Hazardous Material Information System

Other Special Considerations TSCA (Toxic Substance Control Act): All components of this product are listed on the TSCA Inventory.
EINECS: All components of this product are on the European Inventory of Existing Commercial Chemical Substances. OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).

Last Revised 02/13/2004.

CHEMTREC:
800-424-9300 (USA)
703-527-3887 (International)

Notice to Reader

*To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein.
Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.*